Compex R&D	Doc No: JTAG_V1.0
Description	How to JTAG back to Compex loader

Revision	Date	Description	Arranged By
1.0	18 th Dec 2008	Initial Release	Jojo

Preparation

- 1. OCD Commander 2.5.4
- upbios.tst (same for all the Compex device)
 zMylo.bin (different device have different zMylo file)
- 4. myloram file and .mac file
- put all the files into the same folder
 JTAG cable

	Steps	Picture
1.	Install the OCD Commander to your PC	
2.	Plug the JTAG cable to the JTAG port of the device	
3.	Run OCD Commander program Set "Target Processor" for the particular device eg. WP18 – INTEL, IXP422 WP188 – INTEL, IXP422 WP54 – MIPS, EJTAG 2.5,32bit WP543 - MIPS, EJTAG 2.5,32bit Click OK.	
4.	If there is an error message "Error response from INITIALIZE", please check the JTAG cable connection. Close the OCD Commander program and restart Step 3.	OCD Commander (2)2000 Macraigue Systems Pie Defads Commands tebb Image: could statum Intis FBEEVARE application shows basic ON-CNLP debug. It is for use with MACRAIGUR SYSTEMS interfaces. For FASTER Interfaces and more, see our web site: www.macraigor.com Quick Hints: 1. All parameters MUST be separated by spaces 2. New values start with Nev of \$ 3. To force decimal, end value with T 4. All numbers should start with Nev of \$ 5. RUWYS look at the HINT BAR on botton of screen 6. Type MELP for list of commands Examples: CPP C = \$\frac{2}{2}\frac{2}{2}\$ writes a word value UNRD Bxc00000 = \$0123 writes a word value Command STATUS? WogderonLPT1 10+0P422
5.	If there is no error message, you may proceed.	

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6.	Click on the "Macro" button and select the	OCD Commander (c) 2006 Macraigor Systems
	.mac file.	File Detaults Commands Help reset step go hait regs cpu status Macro
		This FREEWARE application shows basic ON-CHIP debug.
	Click OK.	It is for use with MRCKRIGUR SYSIENS interfaces.
		www.macraigor.com
		Quick Hints: 1. All parameters HUST be separated by spaces 2. Her values start with Ox or S
		3. To force decimal, end value with T 4. All numbers should start with 09
		5. ALWAYS look at the HINT BAR on bottom of screen 6. Type HELP for list of commands
		Examples: GPR 1 = 0x1234 ;sets GPR 1
		PC = \$0FF00200 ;sets PC BYTE 0x60000 ;shows byte value at location
		WORD BX660000 = \$8123 ;writes a word value
		Command
		jj
		STATUS ? Wiggler on LPT 1 1.00P422
7.	The process will run until you see "go"	OCD Commander (c) 2006 Macraigor Systems Ele Defaults Commands Help
		reset rep go hat regs cpu status Macro
		>Word 0x6C000004 = 0x0000005 >Word 0x6C000008 = 0x0000081A >Word 0xCC000008 = 0x0000081A >Word 0xCC000008 = 0x0000081A
		>word 0xCC000008 = 0x0000004 >word 0xCC000008 = 0x0000004 >word 0xCC000008 = 0x0000004
		>word 0xCC000008 = 0x0000004 >word 0xCC000008 = 0x0000004 >word 0xCC000008 = 0x0000004
		>word 0xCC000088 = 0x0000004 >word 0xCC000088 = 0x0000001 >word 0xCC000088 = 0x0000001
		>word 0xc4000002 0x00rrrrc >word 0xc4000004 0x80c023042 >word 0x00r0004 0x80c023042 >word 0x00r0004 0x80c023042
		>download myloram.s19 myloram.s19: downloaded 158068 bytes in 0 minutes, 6.888 seconds
		PC set to starting address 0x01D000000
		gol
		RUNNING Wiggler on LPT 1 1:8/P422
8.	Open command prompt.	Command:
	Tftp upbios.tst file	tftp -i 192.168.168.1 put upbios.tst
	tftp zMylo.bin file(please observe the DIAG	tftp -i 192.168.168.1 put zMylo.bin
	LED will be off later on)	
		Tip:
		Try to ping before tftp.
		Some board like WP188 have 1 or 2 Ethernet port.
		Some file only support one of the Ethernet port.
9.	in entrer of the file fail to be load during titp,	
	and restart step 3	
10	and restart step 5.	
11	Power on the device and the firmware into	
11.	the device	
12.	Reboot when done.	

FAQ's

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